

POLYIMIDE-FREE ALIGNMENT LAYER FOR LCD FABRICATION AND
METHOD

ABSTRACT OF THE DISCLOSURE

An inexpensive polyimide-free alignment layer
5 comprising a mixture of an epoxy and a reactive liquid
crystal material is used for fabricating liquid crystal
displays (LCDs). The alignment layer can be cast onto a
previously aligned layer, without destroying the
alignment of the underlying layer, thus allowing for
10 monolithic fabrication of compensator stacks, without
film transfer lamination.

Patented by the U.S. Patent and Trademark Office